EXHIBIT 14 Redacted Version of Document Sought to be Sealed

The Incognito Problem

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Key Fact: Incognito Confuses People

"Incognito" Confuses People

We know from intuition, anecdotes, and now empirically (Yuxi Wu, et al.; see also Habib, et al.) that the "incognito"/Spy Guy branding, and the complex disclosures (like all complex disclosures), confuse people as to what exact guarantees it offers and does not offer.

Ironically, across all browsers, Chrome's disclosures were the least confusing by a modest amount. But it's still bad.

ld	Date	Text
1	07/22/2018 07:53:36	It'd be good to try to replicate or further validate the study, but I'd be surprised if we got a significantly different result.

WWW 2018, April 23-27, 2018, Lyon, France

Yuxi Wu, Panya Gupta, Miranda Wei, Yasemin Acar[†], Sascha Fahl[†], Blase Ur

Table 5: Scenarios where participants held misconceptions, shown with the correct answers and percentage of participants who gave incorrect answers. For comparative scenarios, (in)equality symbols denote the correct answer, and we give the sum of all participants answering otherwise.

	Answer		% Incorrect	
Scenario	Std.	Priv.	Std.	Priv
Overestimating private mode's	privacy	protecti	ons	
Search queries associated (logged in)	Yes	Yes	1.5	56.3
Bookmarks saved across sessions	Yes	Yes	25.4	46.5
Geolocation can be estimated	Yes	Yes	5.2	40.2
Employer can track browsing	Yes	Yes	1.1	37.0
Better protected from viruses/malware	Std.	= Priv.	2	7.1
IP address can be collected	Yes	Yes	0.7	25.3
Government can track browsing	Yes	Yes	4.1	22.6
ISP can track browsing	Yes	Yes	3.0	22.0

Underestimating private mode's privacy protections

Downloaded file in browser's list Yes No* 1.3 51.7

Proportion of targeted ads Std. > Priv. 30.9

Search queries associated (not logged in) Yes No 20.2 30.0

Table 6: Distinguishing scenarios where private mode's impact depends on the browser or context.

		% Yes	
Scenario	Std.	Priv.	
Items in shopping cart saved across sessions	97.8	78.8	
Browser extensions active across sessions	98.3	69.1	
Forensic expert can reconstruct browsing history	98.7	52.8	
Site-specific preferences (e.g., for pop-ups) saved	98.3	31.3	

Table 7: Distribution of responses for comparative scenarios where the impact depends on the browser or context.

	1	% Responses	
Scenario	Std. > Priv.	Std. = Priv.	Std. < Priv.
Amount of ads	32.2	64.9	2.9
Page loading speed	24.8	53.6	21.6

 $(\chi^2(12)=38.1,p=.001)$. In the control condition, 32.4% of participants mistakenly believed downloaded files would still be listed in the browser. A higher proportion of participants in Brave (62.2%,

^{*}Except in Brave's private mode, which does retain download history

This Is Bad

We are over-promising and under-delivering.

This is bad for people and reflects badly on our product when/if people do come to understand.

Key Question: What Do People Use Incognito For?

Why Do People Use Private Modes?

From Wu, et al.:

- 1. Hide browsing history, especially visits to adult websites;
- 2. prevent targeted ads and search suggestions;
- 3. achieve "safer" browsing;
- 4. Prevent browsers from saving login-related information;
- 5. avoid cookies;
- 6. accommodate intentional or unintentional use by others.

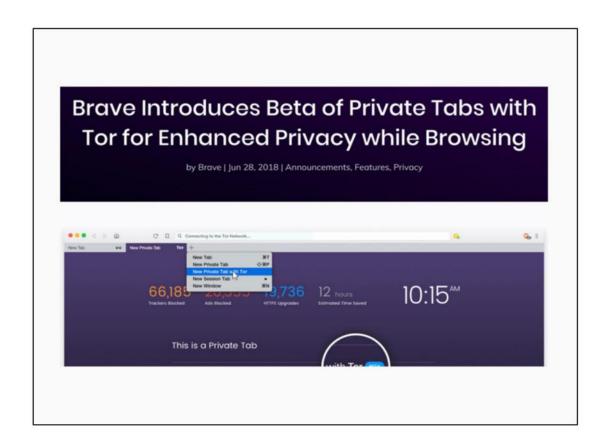
Date	Text
07/23/2018 13:28:04	what's the motivation here? how does this differ from 2?
07/23/2018 13:28:04	This is a list of reasons that people reported to the researchers for why they use private browsing modes. Part of the point of the research is that people don't fully understand the mechanisms.
	07/23/2018 13:28:04

Incognito Is Overloaded

Those 6 reasons are related but different. Perhaps we really need multiple modes (we've already got Guest mode)?

Or more and easier affordances for privacy and control in Settings/elsewhere?

Key Fact: There's A Privacy Feature Race



tom's HARDWARE

PRODUCT REVIEWS BUYING GUIDES HOW TO DEALS NET

A Firefox Competitive Advantage

The Tor Project developers said that Project Fusion has the accord of Mozilla's CEO and CTO, which probably means it has a high chance of coming to fruition. However, many issues have to be considered first, such as developing private telemetry, fixing the problem with fingerprinting resistance breaking websites, and so on.

Additionally, Mozilla wants to first standardize the Tor client specification, write conformance tests for it, and open the documentation. All of that means that more people could look at how Tor is implemented in Firefox and see if there are any issues with that implementation.

The main reason why Mozilla would even want to integrate Tor into Firefox is because it could provide its users real private browsing, something that most competitors will not be able to offer. Mozilla has taken an increasingly strong pro-privacy stance in the past few years, and Project Fusion could further boost its pro-privacy image.

It could also put Firefox in a much more direct contrast with Chrome, a browser developed by Google, which is heavily invested in user tracking in order to serve more targeted ads.

ITP, ITP2, ITP3

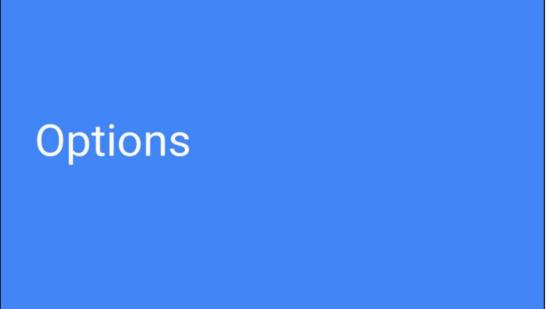
Safari and Mozilla are moving in this area, and we'll need to have some kind of response as well.



ld	Date	Text
1	07/21/2018 14:10:10	Tor is also a cesspool of illegal and distasteful content.

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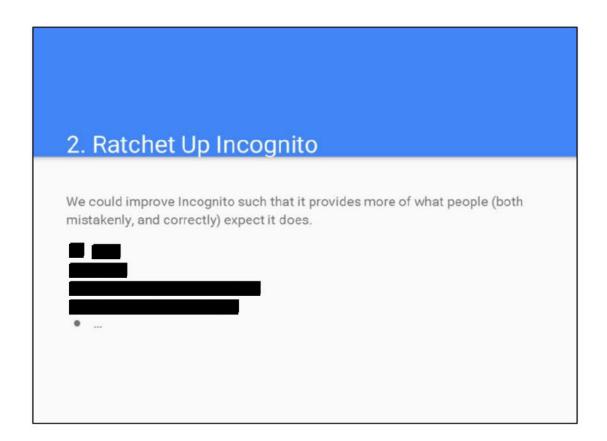


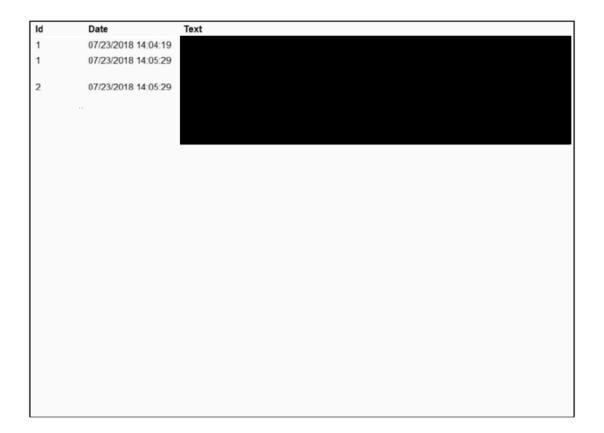
1: Ratchet Down Incognito

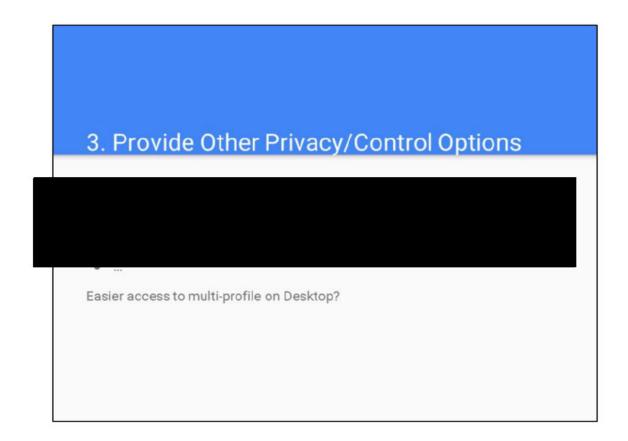
Use less loaded terms and iconography (e.g. "Temporary Mode", Recycle icon, or whatever).

Simplify the disclosure/disclaimer as a result.

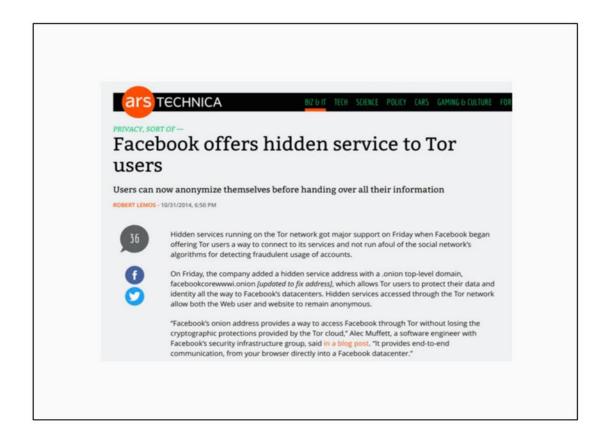
Benefit: No longer over-promising and under-delivering.

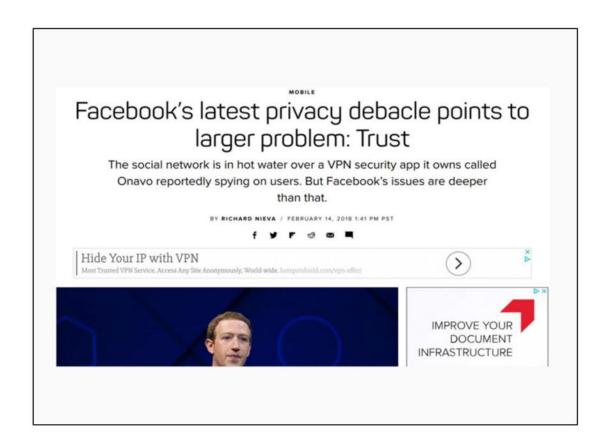






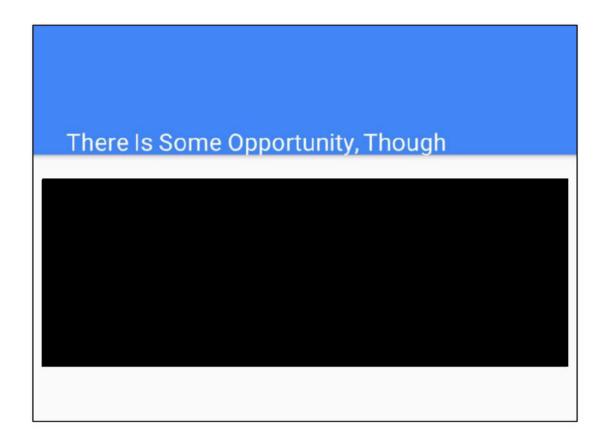
4. Offer Privacy/Circumvention Services Problem: Google services have a trust perception problem. Would more services help?





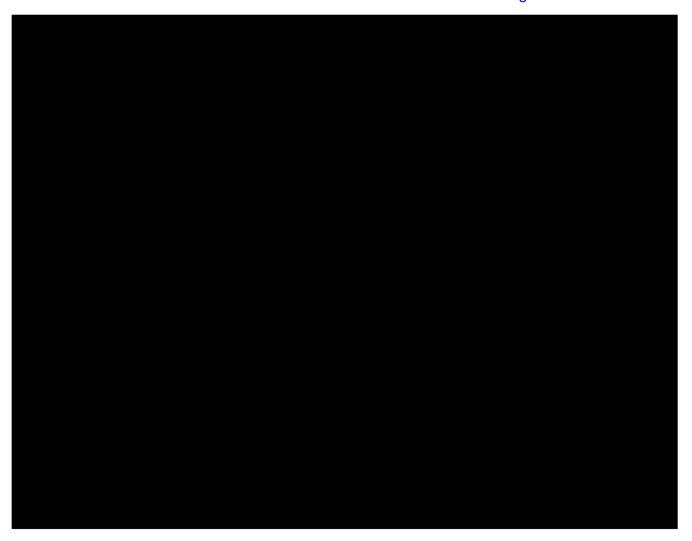


source: https://gist.github.com/kennwhite/1f3bc4d889b02b35d8aa



Key Question:
How Much
Breakage Will
People Tolerate?

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Conclusion: Options, But No Single Clear Path

